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**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In Patent Application of: Valerie Guralnik et al.

Title: PRINCIPLE COMPONENT ANALYSIS BASED FAULT CLASSIFICATION

Attorney Docket No.: H0005848 (256.186US1)

Customer No.: 000128

**PATENT APPLICATION TRANSMITTAL**

**MAIL STOP PATENT APPLICATION**

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

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We are transmitting herewith the following attached items and information (as indicated with an "X"):

- ☒ Return postcard.
- ☒ Utility Patent Application under 37 CFR 1.53(b) comprising:
  - ☒ Specification (15 pgs, including claims numbered 1 through 29 and a 1 page Abstract).
  - ☒ Formal Drawing(s) (4 sheets).
  - ☒ Unsigned Combined Declaration and Power of Attorney (4 pgs).

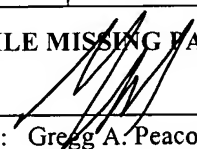
The filing fee (NOT ENCLOSED) will be calculated as follows:

	No. Filed	No. Extra	Rate	Fee
TOTAL CLAIMS	29-20	9	x 18.00 =	\$162.00
INDEPENDENT CLAIMS	3-3	0	x 86.00 =	\$0.00
[] MULTIPLE DEPENDENT CLAIMS PRESENTED				\$0.00
BASIC FEE				\$770.00
TOTAL				\$932.00

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SCHWEGMAN, LUNDBERG, WOESSNER & KLUTH, P.A.

Customer Number: 000128

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